

**What is Claimed is:**

- 1        1.    A method of parsing an XML document, comprising the steps of:  
2                defining type-specific object classes; and  
3                associating the type-specific object classes with the XML document.
- 1        2.    A system of parsing an XML document, comprising:  
2                a computer capable of receiving the XML document;  
3                a code for operating the computer;  
4                means for calling the code; and  
5                a class declaration locatable by the code.
- 1        3.    A method of parsing an XML document, comprising the steps of:  
2                acquiring the XML document;  
3                associating the XML document with a call;  
4                calling a code; and  
5                creating a type specific object from the XML document because of the  
6                code.
- 1        4.    A method of generating type-specific objects from XML, comprising the  
2                steps of:  
3                calling a code that operates on XML;  
4                processing the code;  
5                locating type-specific class associations;

6            locating the type-specific class code via the step of processing; acquiring  
7            the type-specific class code via the step of processing;  
8            parsing the XML to obtain the type-specific objects, the step of parsing  
9            being dictated by the type-specific class declarations from the step of locating and  
10           according to a result of the step of processing.

1           5.        A method of generating type-specific objects from a generic object,  
2           comprising the steps of:  
3                      creating an XML document;  
4                      defining type-specific object classes corresponding to the type-specific  
5           objects;  
6                      associating the type-specific object classes with the XML document;  
7                      parsing the XML document to instantiate the type-specific object classes;  
8           and  
9                      obtaining the type-specific objects.

1           6.        The method of claim 1, wherein the association is selected from  
2           the group consisting of explicit association and implicit association.

3           7.        The method of claim 6, wherein the explicit association is by specification  
4           via the XML document or a DTD of the XML document.

5           8.        The method of claim 6, wherein the implicit association is by publication  
6           of type-specific classes, locators, or links to the Internet, a database, or a query engine.

7           9.     The method of claim 2, wherein the means is associated with XML  
8 document.

9           10.    The method of claim 4, wherein the step of parsing is dictated by  
10 intelligent parser or a parser that uses instantiation directives.

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